

ABSTRACT

In a light source emitting single-color light represented by a solid light source such as a light emitting diode, a light output is increased while a color reproducibility is maintained. A red light emitting diode 1(a), a green light emitting diode 1(b) and a blue light emitting diode 1(c) are controlled so that a first light emitting step of making the red light emitting diode 1(a) emit light in a first light emission period, a second light emitting step of making the green light emitting diode 1(b) emit light in a second light emission period, a third light emitting step of making the blue light emitting diode 1(c) emit light in a third light emission period, and a fourth light emitting step of making the red light emitting diode 1(a), the green light emitting diode 1(b) and the blue light emitting diode 1(c) emit light at the same time in a fourth light emission period are carried out in a period for display of one image.